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RELATING TO ENERGY; PROVIDING FOR A RENEWABLE ENERGY AND FUEL CELL  
DEMONSTRATION PROJECT FOR ON-SITE ELECTRIC GENERATION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF NEW MEXICO:

Section 1. RENEWABLE ENERGY AND FUEL CELL DEMONSTRATION  
PROJECT--SECRETARY OF ENERGY, MINERALS AND NATURAL RESOURCES--  
DUTIES.--The secretary of energy, minerals and natural resources shall conduct a  
practical demonstration of a grid-interconnected, real-time, net-metered, solar  
photovoltaic system and an ultra-high-efficiency co-generation fuel cell system  
powered by natural gas, propane, methanol or hydrogen to generate on-site electricity  
for government or public use. The solar photovoltaic electric generating system shall  
be sized and configured to comply with the federal energy management program's  
million solar roofs initiative. All demonstrations shall be accessible to the public. The  
secretary shall conduct an analysis that considers life-cycle costing of the new  
technologies, their appropriate uses and an evaluation of the economic and  
environmental benefits that might be derived from statewide introduction and  
application of the technology. The analysis shall also include price differentials of on-  
peak and off-peak electricity. Life-cycle costing shall be determined by computing the  
savings derived from the operation of the technology over its useful life, less purchase  
and operating costs. The goal of the project is to demonstrate a new generation of  
electric and fossil fuel technologies while providing an opportunity to evaluate their  
potential economic and environmental benefits. The secretary shall submit the results  
of the evaluations and recommendations to the second session of the forty-seventh

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